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CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

COUNTRY Poland

REPORT

50X1-HUM

SUBJECT Planned Addition to Refrigeration
Plant in Gdynia

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REFERENCES

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FIELD REPORT NO.

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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1. [redacted] a report containing information on the planned addition to a refrigeration plant in Gdynia. The plant is located on the pier used by the fishing fleet.

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STATE	#X ARMY	#X NAVY	#X AIR	#X FBI	AEC					
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THIS IS UNEVALUATED ADVANCE INFORMATION



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PLANNED ADDITION TO REFRIGERATION PLANT IN GDYNIA, POLAND (C)



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Summary: This report gives details of a planned expansion of a refrigeration plant in the Polish port of GDYNIA. It also gives details of the existing building and other facilities on the same pier.

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PLANNED ADDITION TO REFRIGERATION PLANT IN GDYNIA, POLAND (C)

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Listed below are the requirements

keyed to the page on which the answer

may be found

RequirementPage Nr

- A. Details reconstr and reorgn tank farm (give dimensions, capacities and locations tanks) and planned refinery on west bank Vistula River. Give details products stored, pipeline layout and transfer berths. ...3
- B. Details attempts to reconstr collapsed quayage this port. ...3
- C. Details 5 story refrigeration plant north of Danzig constr in 56. Give dimensions and capacities. ...4
- D. Details wooden pier at which vegetable oil is unloaded.3
- E. Condition grain storage bldg on west side Holm Island. Give details handling equip.capacity. ...3
- F. Dimensions area behind coal quay known to be site dump for coal bunkering station. ...3
- G. Capacity railway ferry which runs between SE and Holm Island and east bank Vistula River. ...3
- H. Capacities pontoon (2), highway (1) and rail highway (1) bridges connecting west and south sides Holm Island with west bank Vistula River. ...3
- I. Details planned straightening and widening of the acute channel turn at NOWY PORT. Give plans to straighten Vistula River by new channel through Westerplatte Peninsula. Locate new channel and give dimensions and connections. Describe proposed use in relation to NOWY PORT and Westerplatte Basins. ...3
- J. Info on exact depth each portion Danzig harbor where Vistula and Motlawa Rivers have deposited silt and reduced depth. What dredging opns are in force and what is planned? ...3
- K. Details any permanent bridge (in existence or planned) connecting Wyspa Holm with mainland. Give location and evidence of type (approaches, abutments, and if now under constr, stockpiling of bridge structural members at crossing sites). ...3

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Answer

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A.

B.

D.

there is a very large firm "AMADA" in GDANSK that produces vegetable oil that is distributed over the entire nation. This is a large firm and has extensive facilities.

E. there is a very large grain elevator on the southeast corner of Holm Island, There is also a grain elevator in NOWY PORT on the west bank of the Vistula.

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F. a coal storage area (Basin Weglowy na Holmie) on Holm Island; also a coal storage area in the GDYNIA port area.

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G. no railway ferry going to Holm Island.

H. no pontoon bridge to Holm Island. There is one bridge going to Holm Island,

I.

J.

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PLANNED ADDITION TO REFRIGERATION PLANT IN GDYNIA, POLAND (C)

Introduction

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[redacted] this work was done by a section of the Gdansk Maritime Construction Bureau which handled all refrigeration work.

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1. Project

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[redacted] a three-story addition to be built onto an existing four-story refrigeration plant on the pier at GDYNIA used by the local fishing fleet. The pier had two refrigeration plants, both reinforced concrete structures built in the 1930's and considered quite modern at that time. They appeared to have been built with provisions for expansion, but they did not lend themselves to current construction methods,

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Although the refrigeration plant was out of date, the new addition had to be designed to conform to the older methods. In making the plans, the personnel of the Gdansk Maritime Construction Bureau mostly, therefore, copied from the original plans.

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Because the new building was to use relatively old construction methods, [redacted] the personnel doing the work, since they had no experience with the older techniques, would have trouble following the construction methods planned. [redacted] special problems with the stairway, which was not inside the building as in most current Polish construction, but was to hang on the outside.

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2. Location of the Refrigeration Plant

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This refrigeration plant was on the pier which served the fishing fleet, at UTM coordinates CF-420447.

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[redacted] there was one main paved road down the center of the pier, and the areas on each side of the pier were generally built up. Other than the two refrigeration plants, [redacted] no buildings of any size, but [redacted] the pier had many smaller buildings on it. A railroad spur was beside the refrigeration plant for which the addition was planned. There were other spurs on the pier running beside other buildings.

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The refrigeration plant for [] the addition was quite a bit smaller than the other, which was about 10 stories high and was the main plant. It contained offices as well as refrigeration facilities. (See Annex A, [] sketch of the pier.)

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3. Details of the Refrigeration Plant and the Addition

a. Existing Structure

This building was of reinforced concrete, 4 stories high, and generally had on each floor one large refrigerated room surrounded on all four sides by an unrefrigerated hallway. The large refrigerated room, about 39 m by 40 m, had a number of reinforced concrete columns in it, but no permanent walls dividing it into smaller rooms. Some of the large rooms were divided into smaller parts by uninsulated brick walls, which were not part of the permanent construction but were movable. The reinforced concrete pillars were about 35 cm on a side. On the main floor the columns were larger, about 40 cm on a side.

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Along the surrounding corridor there were doors leading into the refrigerated room, of steel with insulation on the back. [] they were about 1.5 m wide, wide enough for small carts to get through when carrying a load.

[] there were windows on the exterior []

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The cooling equipment was not located in each room, but either in the basement or on the main floor. The temperature in each room could be regulated independently, in accordance with the season of the year, the type of fish stored, and the length of time they were to be stored.

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b. Proposed Addition

The proposed addition [] consisted of three stories to be built on top of the existing structure, to which it was very similar in design. The square reinforced concrete columns which were to be built as part of the addition were to be smaller than the columns in the existing part, 25 cm on a side instead of 35 cm.

The planning of the refrigerating equipment was handled by a section of the Gdansk Maritime Construction Bureau which specialized in refrigeration planning. []

[] (See Annex B for a sketch of the refrigeration plant with its proposed addition and Annex C, which shows cross-sections of the insulating walls for the addition.)

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ANNEX A

SKETCH OF FISHING FLEET PIER IN GDYNIA, POLAND

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Larger of the two refrigeration plants on the fishing pier. This plant was approximately 10 stories high and was about four or five times as large as the other refrigeration plant. This building contained offices as well as refrigerated storage areas.

Refrigeration plant for which addition was planned. This was the smaller of the two refrigeration plants on the fishing pier.

Railroad spur which ran beside the refrigeration plant. There were other railroad spurs on the pier.

This pier was located at UTM coordinates CF 420447.

This road ran generally down the center of the pier; there were built-up areas on both sides of this road, although there were no other buildings as large as the refrigeration plants.

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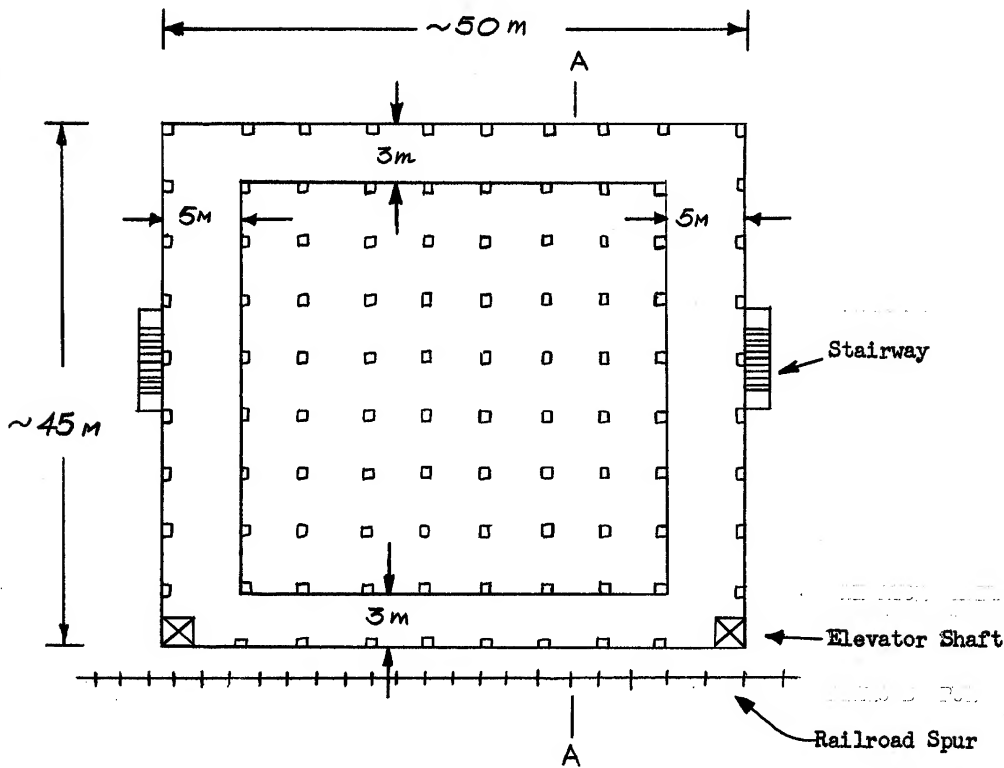
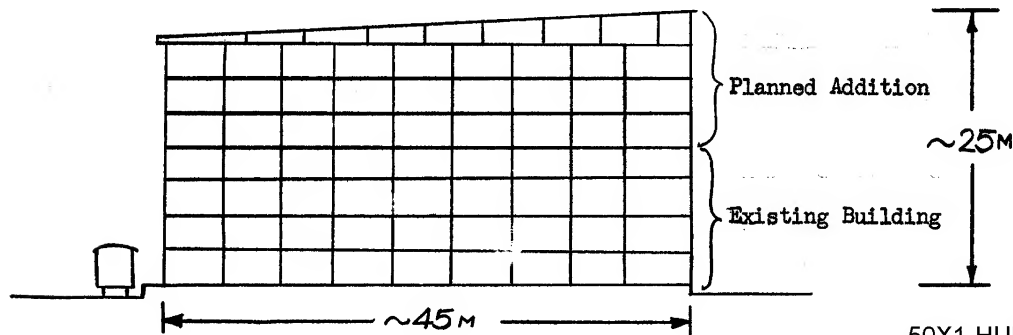
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ANNEX B

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SKETCH OF REFRIGERATION PLANT AND PLANNED ADDITION ON
FISHING PIER IN GDYNIA, POLAND

SECTION A-A

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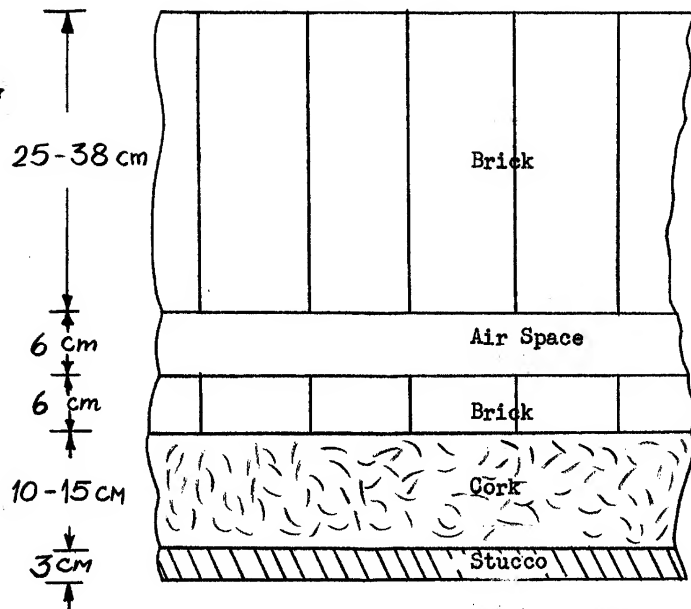
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ANNEX C

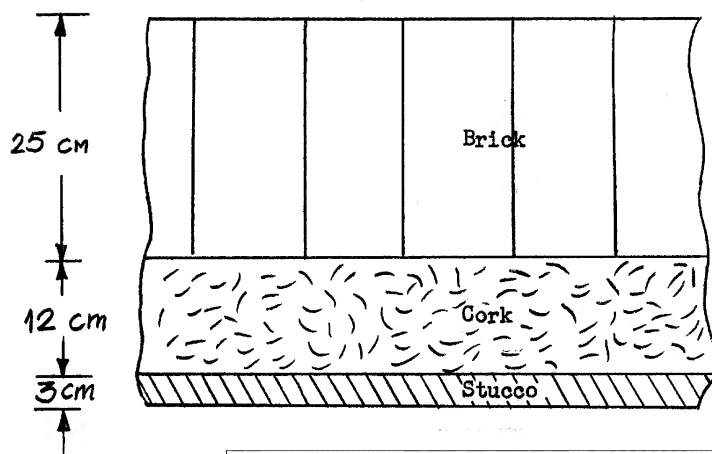
SKETCH OF INSULATED WALLS FOR PLANNED ADDITION TO
REFRIGERATION PLANT IN GDYNIA, POLAND

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Walls with a cross section like this were to be used for the parts of the addition requiring most insulation.

These cross sections show the two types of walls used for insulation. The thicknesses of the different layers sometimes varied, according to the temperature for which the room was designed.



Walls with a cross section like this were to be used for parts of the addition requiring less insulation.

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